

BREAKLINE - REFER TO DRAWING C08487.21-DA42 FOR CONTINUATION

DP 1159804

PROPOSED COLES CDC EXPANSION
FFL = 74.00

EXISTING CDC FACILITY
FFL = 74.00

STORMWATER DRAINAGE NOTES:

- ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLAN
- PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.
- EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
- ALL STORMWATER PIPES 300mm OR GREATER SHALL BE CLASS 2 REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
- ALL PIPES UP TO AND INCLUDING 300mm TO BE uPVC GRADE SN8.
- ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTRED IN WALL AND BASE. LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE F'c 25 MPA. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
- IN ADDITION TO ITEM 6 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm.
- PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS. PARTICULAR CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
- WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED 100 uPVC TO EACH SIDE OF PIPE.
- ALL SUBSOIL DRAINAGE LINES SHALL BE 100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1 IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM END OF LINE AND AT 30m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT / LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
- ALL PIPE GRADES 1 IN 100 MINIMUM UNDO.
- PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm.
- MIN. 600 COVER TO PIPE OBVERT BENEATH ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
- PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' U.N.O.
- PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
- DOWN PIPES TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE U.N.O. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
- PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.

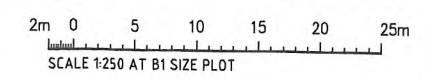
PIT SCHEDULE - SYSTEM A

PIT No.	GRATE RL	DEPTH	TYPE	SIZE	COMMENT
PIT A1	72.58	1580	S.J.P	900x900	
PIT A2	72.40	1490	S.J.P	900x900	
PIT A3	72.60	1800	S.J.P	2500x900	
PIT A4	72.60	2000	S.J.P	1500x1500	
PIT A5	72.60	2390	S.J.P	1500x1500	
PIT A6	73.00	3240	S.J.P	1500x1500	
PIT A7	73.93	7930	S.J.P	1500x1500	
PIT A8	72.40	1300	S.G.G.P	900x900	⊗
PIT A9	72.40	1600	S.G.G.P	1200x1200	⊗
PIT A10	72.67	1620	S.J.P	1200x1200	
PIT A11	72.40	1200	S.G.G.P	900x900	⊗
PIT A12	73.70	1000	S.G.G.P	900x900	⊗

⊗ - DENOTES PIT TO BE FITTED WITH STORMWATER 360 ENVIPOD UNIT

LEGEND:

- LEVELS DATUM IS AHD.
- EXISTING SITE LEVELS AND DETAILS BASED ON A PLAN OF SURVEY BY HARD & FORESTER.
- SGGP, SINGLE GRATED GULLY PIT
 - SJP, SEALED JUNCTION PIT
 - GRATED DRAIN (200 WIDE)
 - OVERLAND FLOW PATH
 - DOWNPIPE (INDICATIVE ONLY). REFER TO HYDRAULIC ENGINEERS DRAWINGS
 - DRAINAGE LINE
 - SUBSOIL LINE
 - ROOFWATER LINE
 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
 - EXISTING SEWER LINE



FOR DEVELOPMENT APPLICATION



Project Number: MP 06_0164 approved on 30 April 2013 by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed:

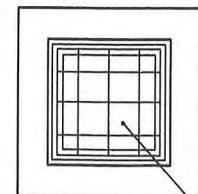


CONCEPT STORMWATER PLAN - SHEET 1
SCALE 1:250

FOR DEVELOPMENT APPLICATION		ARCHITECT		CLIENT		PROJECT		DRAWING TITLE	
PRELIMINARY - FOR INFORMATION	08.02.13	C	SB ARCHITECTS Suite 705, 83 Lonsdale Street, North Sydney NSW 2060 Tel: (02) 9330 7400 Fax: (02) 9330 7444	Goodman	LEVEL 18, 60 Castlereagh Street, Sydney NSW, 2000, Australia Tel: (02) 9330 7400 Fax: (02) 9330 7444	PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW	Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 8 Wodmell Street Wahbi Bay, Sydney NSW 2000 Tel: (02) 9661-7000 Fax: (02) 9661-0721 email: mail@costinroe.com.au	Costin Roe Consulting	CONCEPT STORMWATER PLAN SHEET 1
PRELIMINARY - FOR INFORMATION	06.02.13	D							
AMENDMENTS	22.01.13	A							
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	DESIGNED	DRAWN	CHECKED	SCALE
						M.W.	M.C.	09.01.13	AS SHOWN
						O&M REF: C08487.21-DA41		Value in Engineering and Management	
								DRAWING No: C08487.21-DA41	

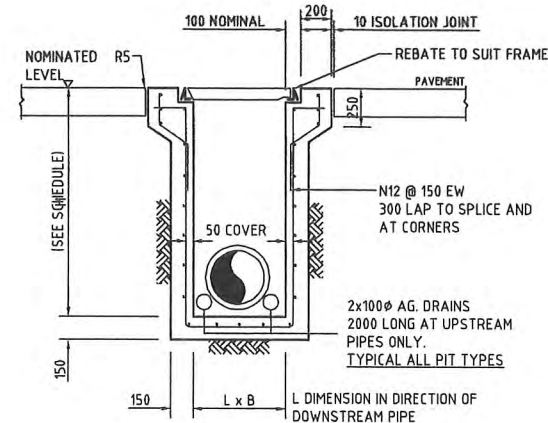
Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed: **BD**



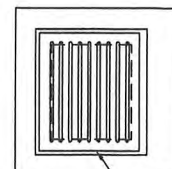
PLAN
SCALE 1:20

CONCRETE FILLED CAST IRON COVER & FRAME (GATIC OR EQUAL) SEE SCHEDULE



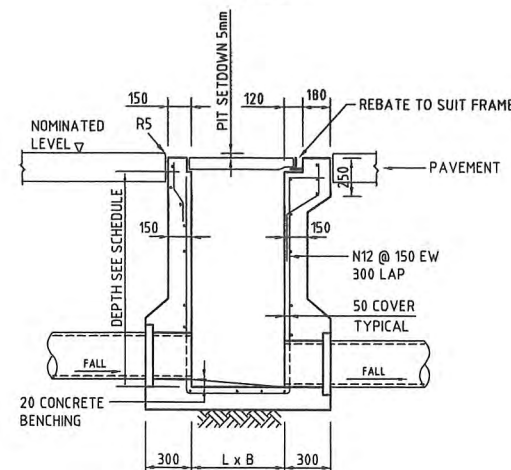
SECTION
SCALE 1:20

SEALED PIT - SJP



PLAN
SCALE 1:20

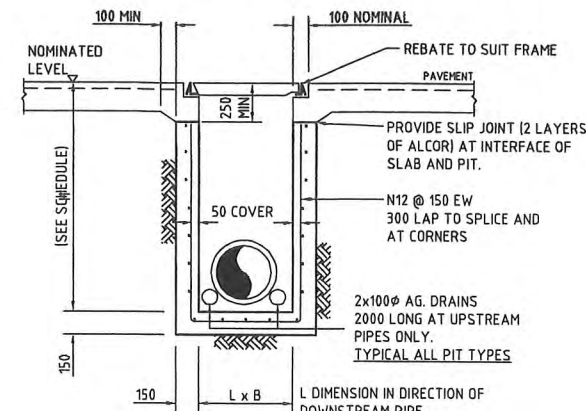
H.D. CAST IRON GRATE & TEE BAR FRAME 'GATIC' OR EQUAL SEE SCHEDULE



SEE SCHEDULE
L DIMENSION IN DIRECTION OF DOWNSTREAM PIPE

SECTION
SCALE 1:20

SINGLE GRATED GULLY PIT - SGGP



SECTION
SCALE 1:20

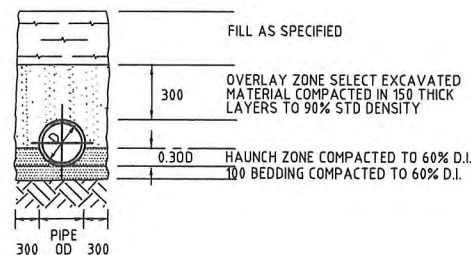
ALTERNATIVE PIT DETAIL - GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT AS REQUIRED FOR SGGP's & SJP's)

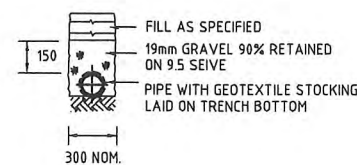
CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE MAX. SIZE	CEMENT TYPE	AD MIXTURE	F _c (MPa)
PIT	80	20	GP	NIL	25

PIT NOTES:

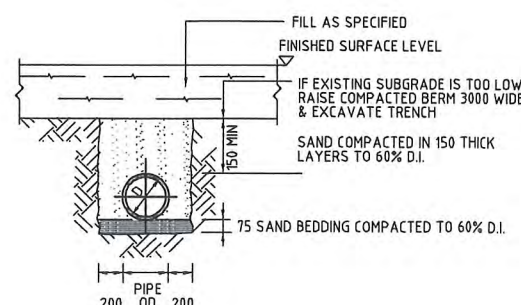
- WHERE GULLY PIT IS LOCATED ON KERB RETURNS OR BULB OF CUL-DE-SACS PROVIDE CURVED PRECAST CONCRETE LINTELS.
- SAG PITS SHALL HAVE LINTEL PLACED CENTRALLY ABOUT THE GRATE.
- ALL REINFORCING TO HAVE 30 MIN. CLEAR CONCRETE COVER.
- FOR PITS DEEPER THAN 1000mm CLIMB RAILS SHALL BE PROVIDED.
- REINFORCEMENT CAN BE NEGATED FOR PITS LESS THAN 1000mm DEEP



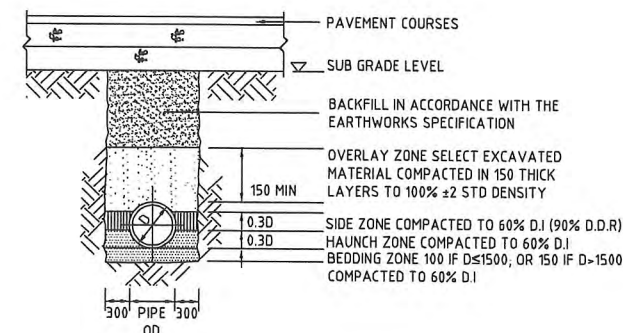
TYPE H1 SUPPORT TO
CONCRETE PIPES AT LANDSCAPED AREAS



SUPPORT TO AG. DRAIN

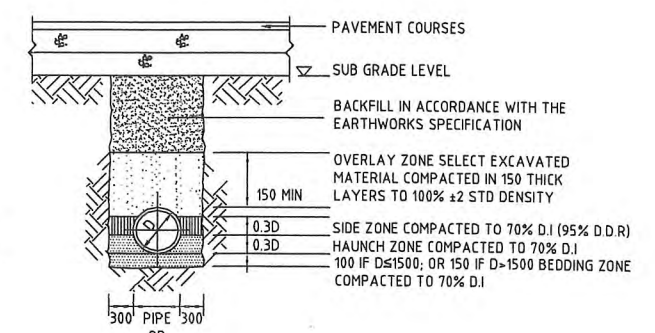


SUPPORT TO uPVC PIPES



TYPE HS2 SUPPORT TO
CONCRETE PIPES
UNDER PAVEMENT

D ≤ 1350, MAX FILL = 4.0m
D > 1350, MAX FILL = 3.0m



TYPE HS3 SUPPORT TO
CONCRETE PIPES
UNDER PAVEMENT

D ≤ 1050, MAX FILL = 6.0m
D > 1050, MAX FILL = 4.80m

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
19	100
2.36	100 TO 50
0.60	90 TO 50
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
75	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

PIPE LAYING DETAILS

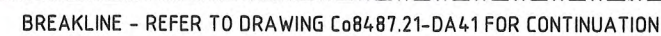
1:20

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE PLOT

FOR DEVELOPMENT APPLICATION

FOR DEVELOPMENT APPLICATION PRELIMINARY - FOR INFORMATION AMENDMENTS		08.02.13 22.01.13 DATE	B A ISSUE	AMENDMENTS	DATE	ISSUE	ARCHITECT SB ARCHITECTS Level 10, 60 Castlereagh Street Sydney NSW, 2000, Australia Tel: (02) 9230 7400 Fax: (02) 9230 7444	CLIENT Goodman LEVEL 10, 60 Castlereagh Street SYDNEY NSW, 2000, Australia Tel: (02) 9230 7400 Fax: (02) 9230 7444	PROJECT PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW	DESIGNED M.W.	DRAWN M.C.	DATE	CHECKED B.T.	SCALE AS SHOWN	CAD REF: C68487.21-DA45	Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 8 Windmill Street Wahro Bay, Sydney NSW 2000 Tel: (02) 9550-7000 Fax: (02) 9550-0701 email: mail@costinroe.com.au	Value in Engineering and Management	DRAWING TITLE CONCEPT STORMWATER DETAILS DRAWING No C68487.21 - DA45	ISSUE 6
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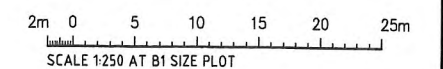
d: 50



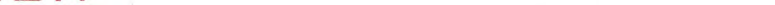
⊗ - DENOTES PIT TO BE FITTED WITH STORMWATER 360 ENVIROPOD UNIT

	- SGGP, SINGLE GRATED GULLY PIT
	- SJP, SEALED JUNCTION PIT
	- GRATED DRAIN (200 WIDE)
	- OVERLAND FLOW PATH
	- DOWNPIPE (INDICATIVE ONLY). REFER TO HYDRAULIC ENGINEERS DRAWINGS
	- DRAINAGE LINE
	- SUBSOIL LINE
	- ROOFWATER LINE
	- FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
	- FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
	- EXISTING SEWER LINE

REFER TO DRAWING DA41 FOR STORMWATER DRAINAGE NOTES

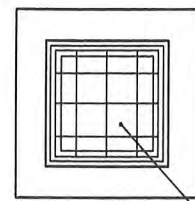


FOR DEVELOPMENT APPLICATION

																	
FOR DEVELOPMENT APPLICATION		08.02.13	C			LEVEL 10, 60 Centenary Street SYDNEY NSW, 2000, Australia		PROJECT PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW		Costin Roe Consulting Pty Ltd. Consulting Engineers				DRAWING TITLE CONCEPT STORMWATER PLAN SHEET 2			
PRELIMINARY - FOR INFORMATION		06.02.13	B					DESIGNED M.W.		Level 1, 8 Windmill Street Walsh Bay, Sydney NSW 2000							
PRELIMINARY - FOR INFORMATION		22.01.13	A					DATE		Tel: (02) 9261-7000 Fax: (02) 9261-3781							
AMENDMENTS		DATE	ISSUE	AMENDMENTS		DATE	ISSUE	CHECKED		email: mail@costinroe.com.au							
								SIZE		B1							
								SCALE		AS SHOWN							
								DRAWN		M.C.							
								DATE									
								OAO REF:		Co8&87.21-DA&2							

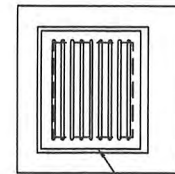
Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed: 



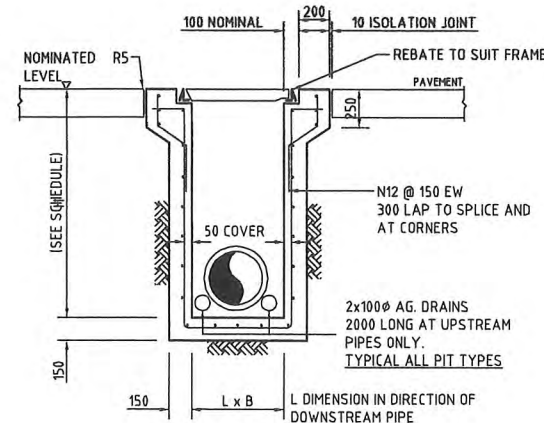
PLAN
SCALE 1:20

CONCRETE FILLED CAST IRON COVER
& FRAME (GATIC OR EQUAL) SEE
SCHEDULE



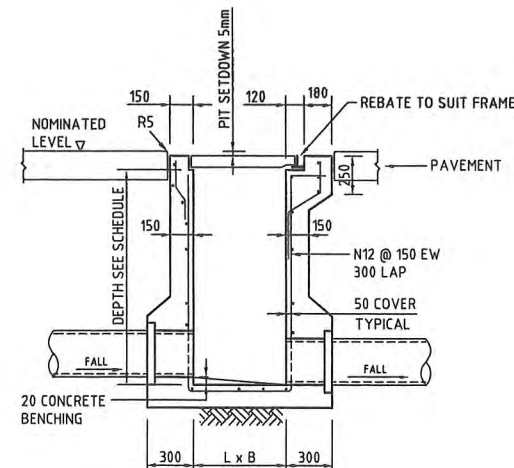
PLAN
SCALE 1:20

H.D. CAST IRON GRATE & TEE
BAR FRAME 'GATIC' OR EQUAL
SEE SCHEDULE



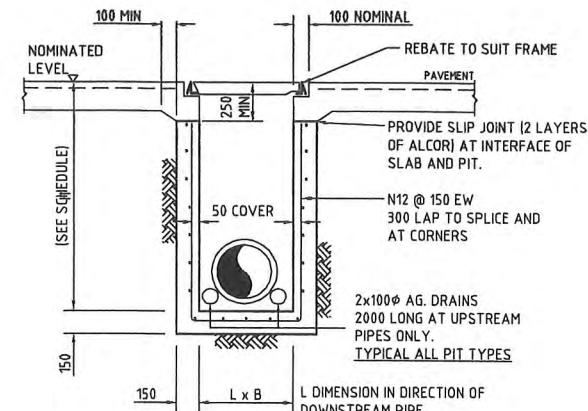
SECTION
SCALE 1:20

SEALED PIT - SJP



SECTION
SCALE 1:20

SINGLE GRATED GULLY PIT - SGGP



SECTION
SCALE 1:20

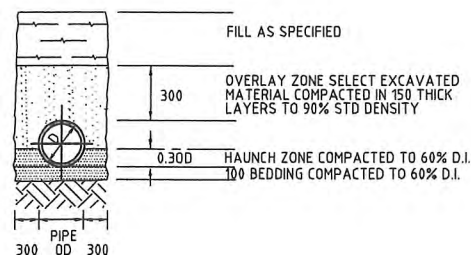
ALTERNATIVE PIT DETAIL - GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT AS REQUIRED FOR SGGP's & SJP's)

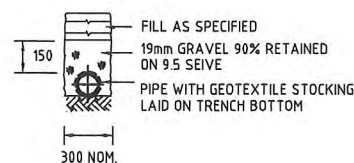
CONCRETE QUALITY					
ELEMENT	SUMP	AGGREGATE	CEMENT	AD MIXTURE	F _c
PIT	B0	20	GP	NL	25

PIT NOTES:

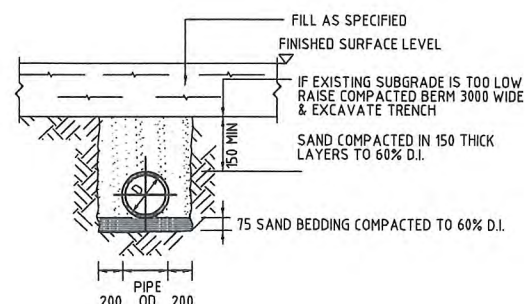
- WHERE GULLY PIT IS LOCATED ON KERB RETURNS OR BULB OF CUL-DE-SACS PROVIDE CURVED PRECAST CONCRETE LINTELS.
- SAG PITS SHALL HAVE LINTEL PLACED CENTRALLY ABOUT THE GRATE.
- ALL REINFORCING TO HAVE 30 MIN. CLEAR CONCRETE COVER.
- FOR PITS DEEPER THAN 1000mm CLIMB RAILS SHALL BE PROVIDED.
- REINFORCEMENT CAN BE NEGATED FOR PITS LESS THAN 1000mm DEEP.



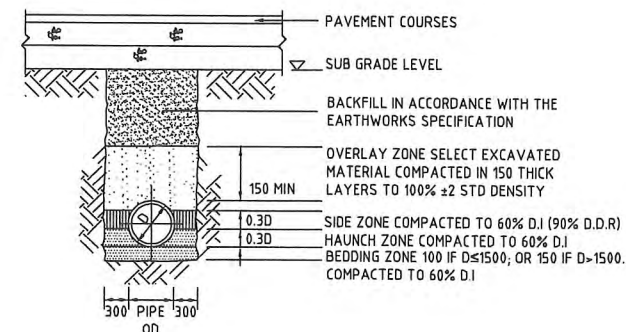
TYPE H1 SUPPORT TO
CONCRETE PIPES AT LANDSCAPED AREAS



SUPPORT TO AG DRAIN

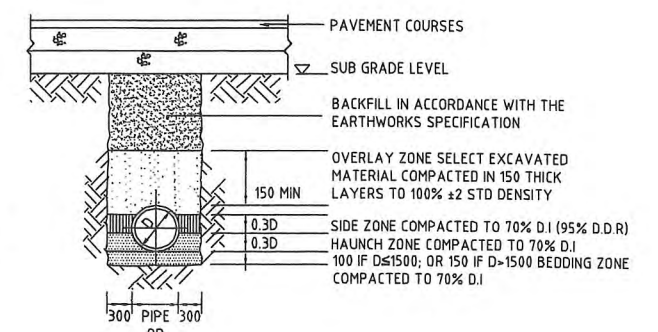


SUPPORT TO uPVC PIPES



TYPE HS2 SUPPORT TO
CONCRETE PIPES
UNDER PAVEMENT

D ≤ 1350, MAX FILL = 4.0m
D > 1350, MAX FILL = 3.0m



TYPE HS3 SUPPORT TO
CONCRETE PIPES
UNDER PAVEMENT

D ≤ 1050, MAX FILL = 6.0m
D > 1050, MAX FILL = 4.80m

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
19	100
2.36	100 TO 50
0.60	90 TO 50
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
75	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

PIPE LAYING DETAILS

1:20

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE PLOT

FOR DEVELOPMENT APPLICATION

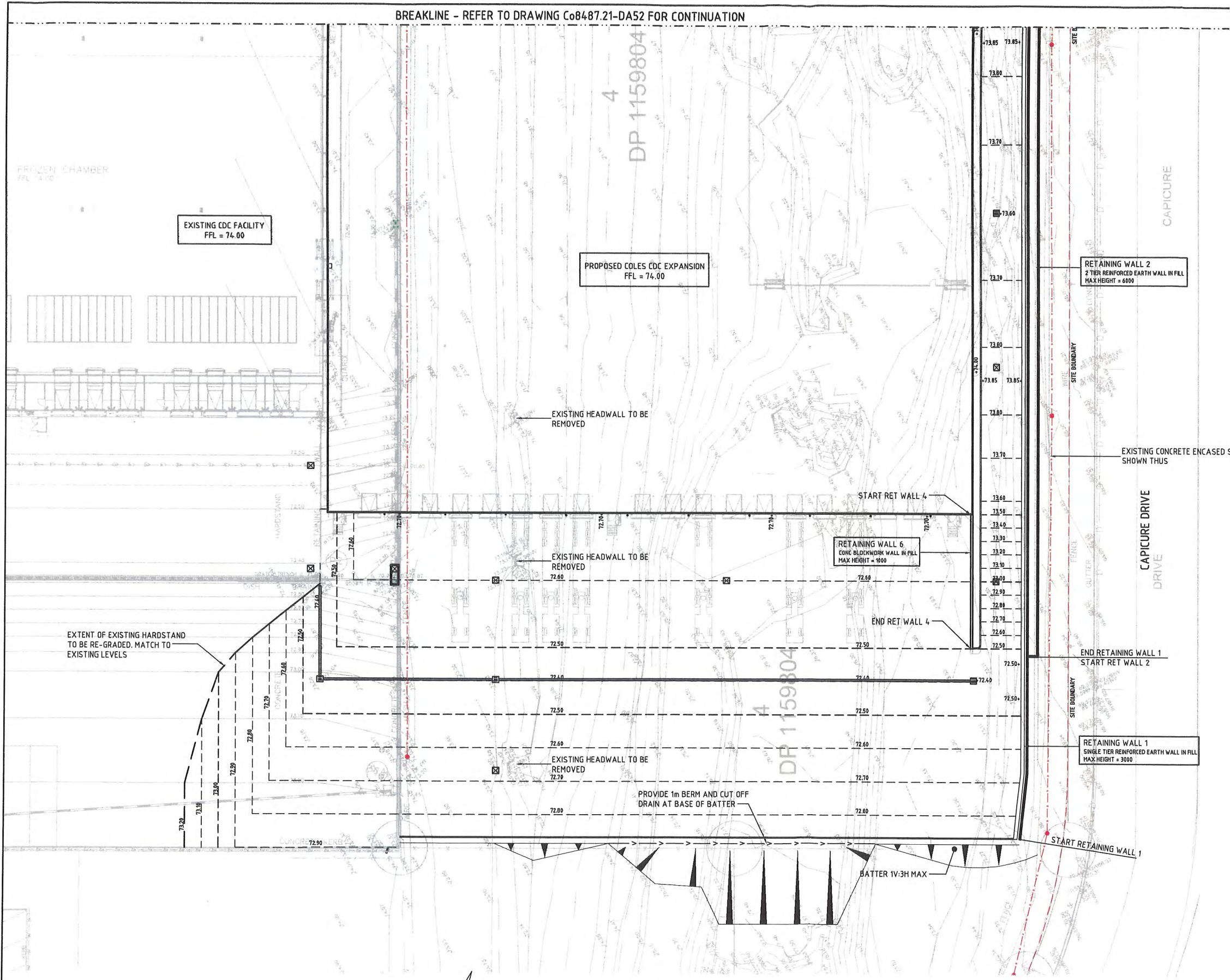
FOR DEVELOPMENT APPLICATION PRELIMINARY - FOR INFORMATION AMENDMENTS		08.02.13 22.01.13	B A	ARCHITECT SB ARCHITECTS 120/121, 123/124/125, North Sydney NSW 2060 Tel: (02) 9330 9100 Fax: (02) 9330 9101 www.sbsa.com.au	CLIENT Goodman LEVEL 10, 60 Castlereagh Street SYDNEY NSW, 2008, Australia Tel: (02) 9330 7400 Fax: (02) 9330 7444	PROJECT PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW	DESIGNED M.W.	DRAWN M.C.	DATE	CHECKED B1	SCALE AS SHOWN	CAD REF: C08487.21-DA45	Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 8 Windmill Street Wahai Bay, Sydney NSW 2000 Tel: (02) 9330-7000 Fax: (02) 9330-0701 email: mail@costinroe.com.au		DRAWING TITLE CONCEPT STORMWATER DETAILS		DRAWING No C08487.21-DA45	ISSUE B
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BREAKLINE - REFER TO DRAWING Co8487.21-DA52 FOR CONTINUATION



Planning

Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.
Signed: **BO**

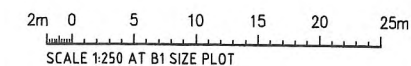


- FINISHED LEVELS PLAN NOTES:**
1. LEVELS DATUM IS A.H.D.
 2. ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS U.N.O. ON PLAN.
 3. THE MAJOR CONTOUR INTERVAL IS 0.5m
 4. THE MINOR CONTOUR INTERVAL IS 0.1m.
 5. MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%).
 6. MAXIMUM PAVEMENT GRADE IS TO BE 1:30 IN DISABLED PARKING, 1:20 (5%) IN CARPARKING AREAS AND 1:25 (4%) ELSEWHERE.
 7. MAXIMUM RAMP GRADES ARE TO BE 1:12 (8.3%) U.N.O. ON PLAN
 8. PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGES GRADE EXCEED 1:20 (5%).
 9. PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:3H.
 10. ALL BATTER SLOPE WITH GRADES AT OR EXCEEDING 1V:6H ARE TO BE TURFED IMMEDIATELY OR APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.
 11. ALL FOOTPATHS ARE TO FALL AWAY FROM THE BUILDING AT 2.5% NOMINAL GRADE.
 12. ALL PAVEMENTS ARE TO BE SET AT 50mm BELOW THE FINISHED FLOOR LEVEL OF THE WAREHOUSE AND OFFICE AREAS UNO ON PLAN.

- LEGEND**
- LEVELS DATUM IS A.H.D.
- GD - GRATED DRAIN
 - SGGP - SINGLE GRATED GULLY PIT
 - SJP - SEALED JUNCTION PIT
 - 52.00 --- FINISHED PAVEMENT CONTOUR (MAJOR)
 - 52.60 --- FINISHED PAVEMENT CONTOUR (MINOR)
 - +52.30 - FINISHED PAVEMENT SPOT HEIGHT
 - 55.5 - EXISTING CONTOUR
 - 74.50 - EXISTING SPOT HEIGHT
 - - - - - EXISTING SEWER LINE



FINISHED LEVELS PLAN - SHEET 1
SCALE 1:250



FOR DEVELOPMENT APPLICATION

FOR DEVELOPMENT APPLICATION	06.02.13	D		
PRELIMINARY - FOR INFORMATION	06.02.13	C		
PRELIMINARY - FOR INFORMATION	22.01.13	B		
PRELIMINARY - FOR INFORMATION	15.01.13	A		
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE

ARCHITECT	SB ARCHITECTS
CLIENT	Goodman
PROJECT	PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW
DESIGNED	MLW
DRAWN	MLC
DATE	
CHECKED	BT
SCALE	AS SHOWN
CAD REF:	Co8487.21-DA51

LEVEL 10, 60 Castlereagh Street SYDNEY NSW, 2000, Australia	Tel (02) 9250 7400 Fax (02) 9250 7444
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PROJECT	PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW
DESIGNED	MLW
DRAWN	MLC
DATE	
CHECKED	BT
SCALE	AS SHOWN
CAD REF:	Co8487.21-DA51

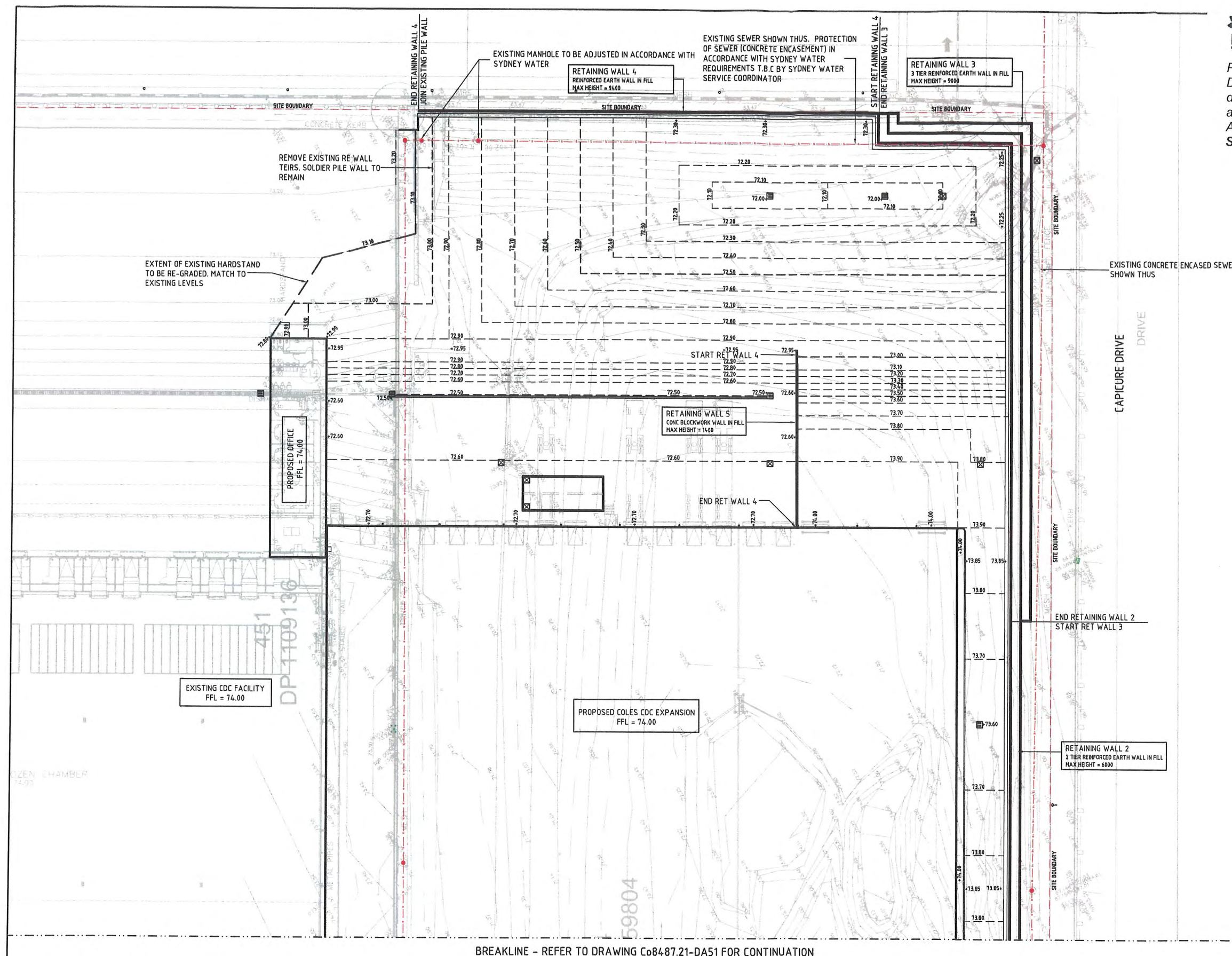
COSTIN ROE CONSULTING PTY LTD.	Level 1, 8 Windmill Street Wahbi Bay, Sydney NSW 2000 Tel: (02) 9551-7000 Fax: (02) 9551-9721 email: mail@costinroe.com.au
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Costin Roe Consulting

DRAWING TITLE	FINISHED LEVELS PLAN SHEET 1
DRAWING No	Co8487.21-DA51
SCALE	D

Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed: **BD**



FINISHED LEVELS PLAN NOTES:
REFER TO DRAWING DA51 FOR FINISHED LEVELS NOTES

LEGEND

LEVELS DATUM IS AHD.

- GD - GRATED DRAIN
- SGGP - SINGLE GRATED GULLY PIT
- SJP - SEALED JUNCTION PIT
- 72.00 — FINISHED PAVEMENT CONTOUR (MAJOR)
- 72.60 — FINISHED PAVEMENT CONTOUR (MINOR)
- +65.30 - FINISHED PAVEMENT SPOT HEIGHT
- 58.5 - EXISTING CONTOUR
- 14.00 - EXISTING SPOT HEIGHT
- — EXISTING SEWER LINE

BREAKLINE - REFER TO DRAWING Co8487.21-DA51 FOR CONTINUATION



FINISHED LEVELS PLAN - SHEET 2
SCALE 1:250

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE PLOT

FOR DEVELOPMENT APPLICATION

FOR DEVELOPMENT APPLICATION	08.02.13	D	
PRELIMINARY - FOR INFORMATION	06.02.13	C	
PRELIMINARY - FOR INFORMATION	22.01.13	B	
PRELIMINARY - FOR INFORMATION	15.01.13	A	
AMENDMENTS	DATE	ISSUE	AMENDMENTS

ARCHITECT	SB ARCHITECTS
CLIENT	Goodman

PROJECT	PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW
DESIGNED	M.W.
DRAWN	M.C.
DATE	
CHECKED	
SIZE	B1
SCALE	AS SHOWN
CAD REF.	Co8487.21-DA51

PROJECT	PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW
DESIGNED	M.W.
DRAWN	M.C.
DATE	
CHECKED	
SIZE	B1
SCALE	AS SHOWN
CAD REF.	Co8487.21-DA51

ARCHITECT	SB ARCHITECTS
CLIENT	Goodman

PROJECT	PROPOSED COLES CDC EXPANSION M7 BUSINESS HUB WALLGROVE ROAD, MINCHINBURY, NSW
DESIGNED	M.W.
DRAWN	M.C.
DATE	
CHECKED	
SIZE	B1
SCALE	AS SHOWN
CAD REF.	Co8487.21-DA51

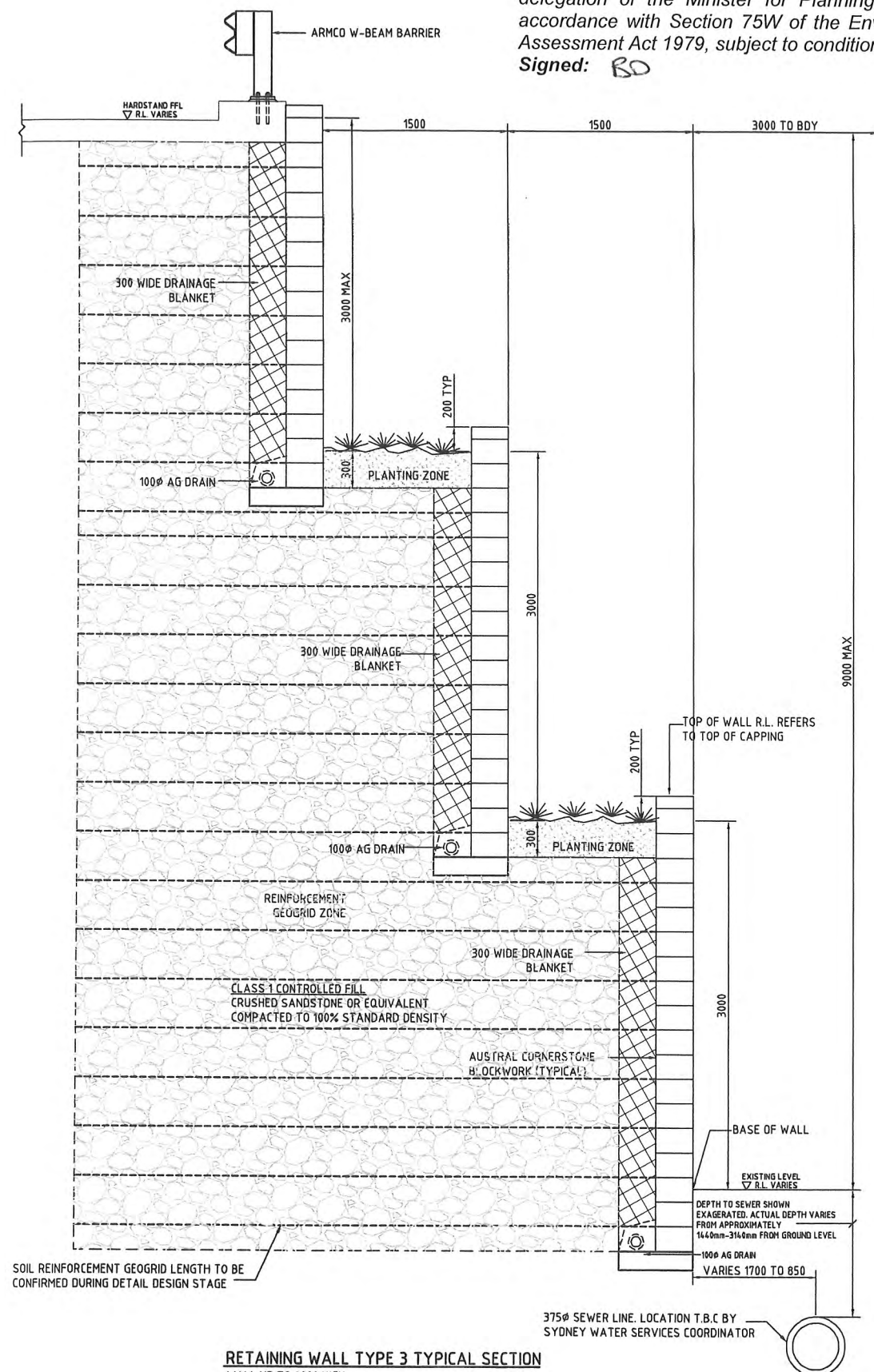
Costin Roe Consulting

DRAWING TITLE	FINISHED LEVELS PLAN SHEET 2
DRAWING No	Co8487.21-DA52
ISSUE	D

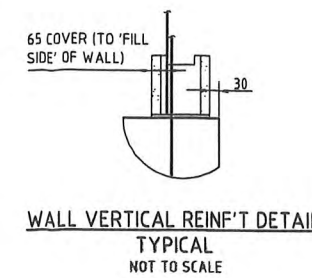
Value in Engineering and Management

Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

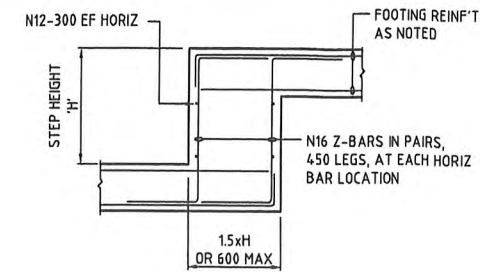
Signed: 



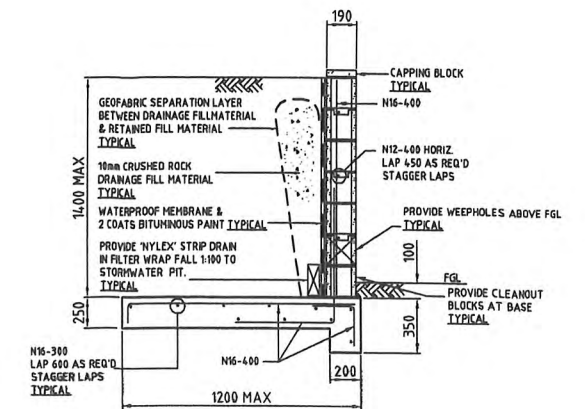
RETAINING WALL TYPE 3 TYPICAL SECTION
WALL UP TO 9000 HIGH
SCALE 1:20



WALL VERTICAL REINF'T DETAIL
TYPICAL
NOT TO SCALE

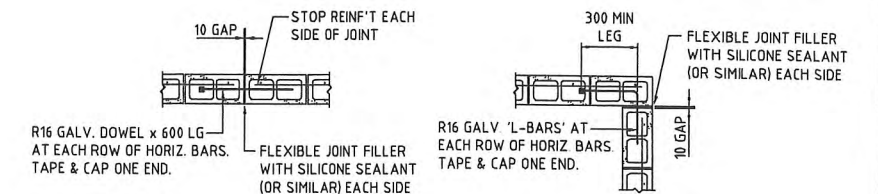


TYPICAL WALL FOOTING STEP



WALL WITH SINGLE STEM OF 190 BLOCK
1:20 SCALE

NOTE :
ALL BLOCK CORES TO BE FULLY GROUTED.
NOTES SHOWN ARE TYPICAL FOR ALL WALLS.
ALL BASE KEYS TO BE POURED AGAINST
UNDISTURBED NATURAL GROUND.

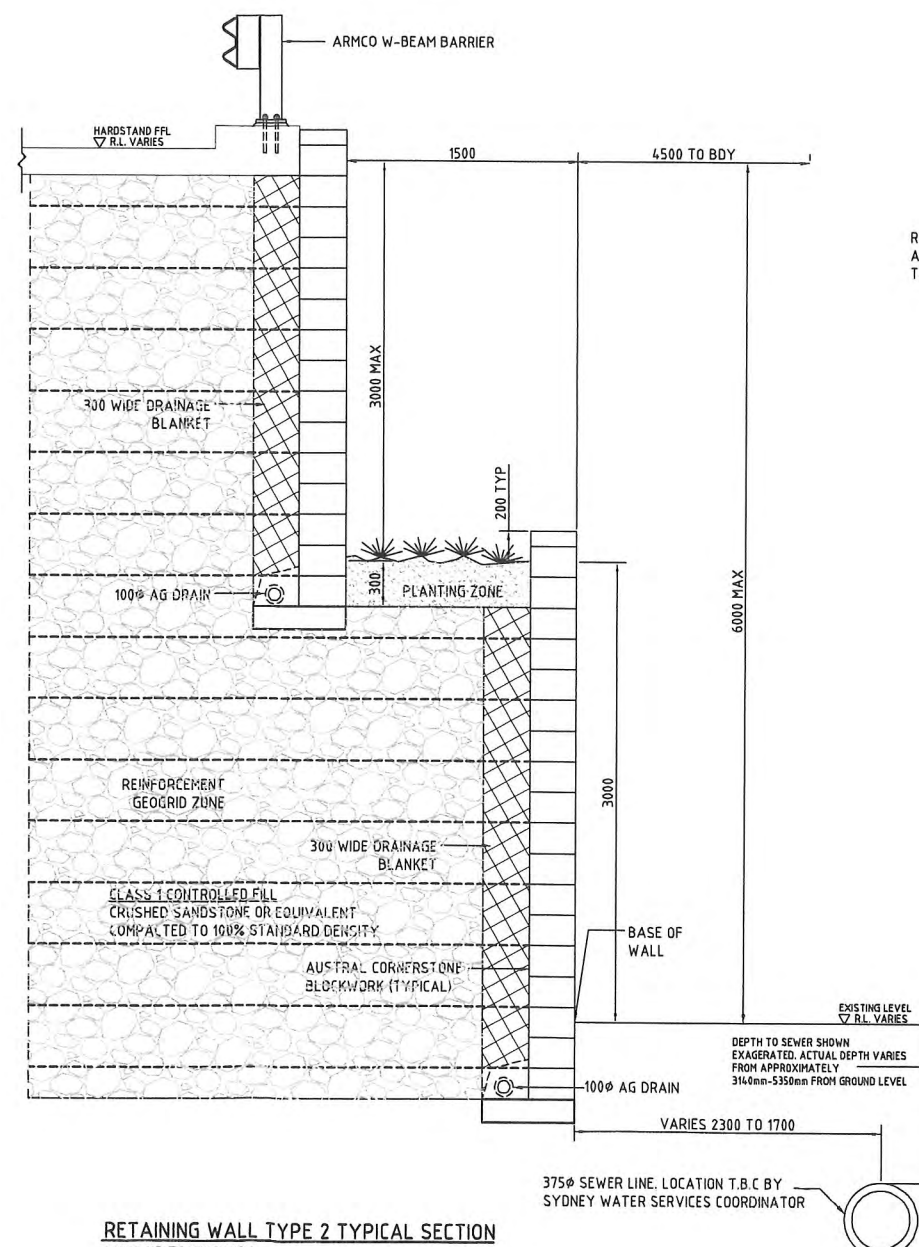


VERTICAL JOINT DETAIL

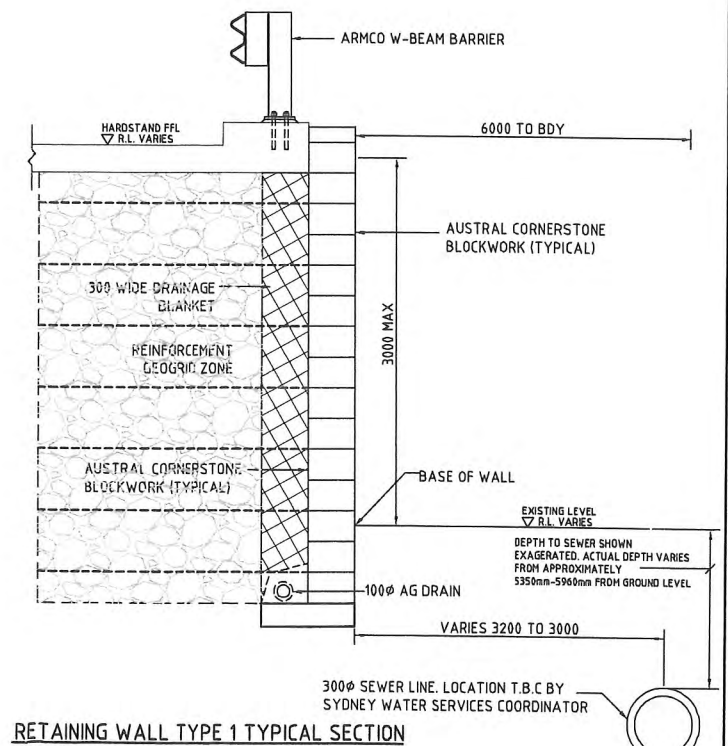
PROVIDE VERTICAL JOINTS IN
BLOCKWORK 8.0M MAX. CENTRES

CORNER DETAIL

RETAINING WALL BLOCKWORK JOINTING DETAILS



RETAINING WALL TYPE 2 TYPICAL SECTION
WALL UP TO 6000 HIGH
SCALE 1:20



RETAINING WALL TYPE 1 TYPICAL SECTION
WALL UP TO 3000 HIGH
SCALE 1:20

200mm 0 500 1000 1500 2000mm

SCALE 1:20 AT B1 SIZE PLOT

FOR DEVELOPMENT APPLICATION

FOR DEVELOPMENT APPLICATION			06.02.13	C	PROJECT			ARCHITECT			CLIENT			PROJECT			Costin Roe Consulting Pty Ltd.			DRAWING TITLE				
PRELIMINARY – FOR INFORMATION			06.02.13	B	PROPOSED COLES CDC EXPANSION									M7 BUSINESS HUB			Consulting Engineers			RETAINING WALL DETAILS				
PRELIMINARY – FOR INFORMATION			22.01.13	A	WALLGROVE ROAD, MINCHINBURY, NSW			Suite 305, 83 Macaul Street, North Sydney NSW 2060			Level 18, 60 Castlereagh Street SYDNEY NSW, 2008, Australia			Level 1, 8 Windmill Street Wahah Bay, Sydney NSW 2000			Costin Roe Consulting							
AMENDMENTS			DATE	ISSUE	AMENDMENTS			DATE	ISSUE	Tel: (02) 9236 7444 Fax: (02) 9236 7444			Tel: (02) 9551-7444 Fax: (02) 9551-0721 email: mail@costinroe.com.au ©			Value in Engineering and Management			DRAWING NO					
																			C08487 21 - DA65			ISSUE		

Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.

Signed: *SD*

CAPICURE DRIVE

SITE BOUNDARY

New
Covered
Loading

Recessed Docks

Expansion Dock
Office

Proposed CDC
Expansion

sed
ks

val

NOT FOR CONSTRUCTION

ADJOINS DWG 102

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The contractor shall check and verify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown shall be referred to the Landscape Architect for confirmation.

Issue	Revision Description
C	Architectural coordination
B	Architectural coordination
A	Draft issue for comment

Drawn	Check	Date
DB	NM	11.02.2013
DB	NM	07.02.2013
DB	NM	05.02.2013

LEGEND

Proposed Tree
(Refer to Plant Schedule)

Shrubs & Accents
(Refer to Plant Schedule)

Groundcover / Grasses
(Refer to Plant Schedule)

Timber Edge
(Refer to Details)

Turf
(Refer to Details)

Key Plan:

SITE IMAGE



Landscape Architects
Level 1, 3-5 Reginald Street
Sunny Hills NSW 2010
Australia
Tel: (01 2) 8332 5000
Fax: (01 2) 8998 2877
www.siteimage.com.au

Client
Goodman

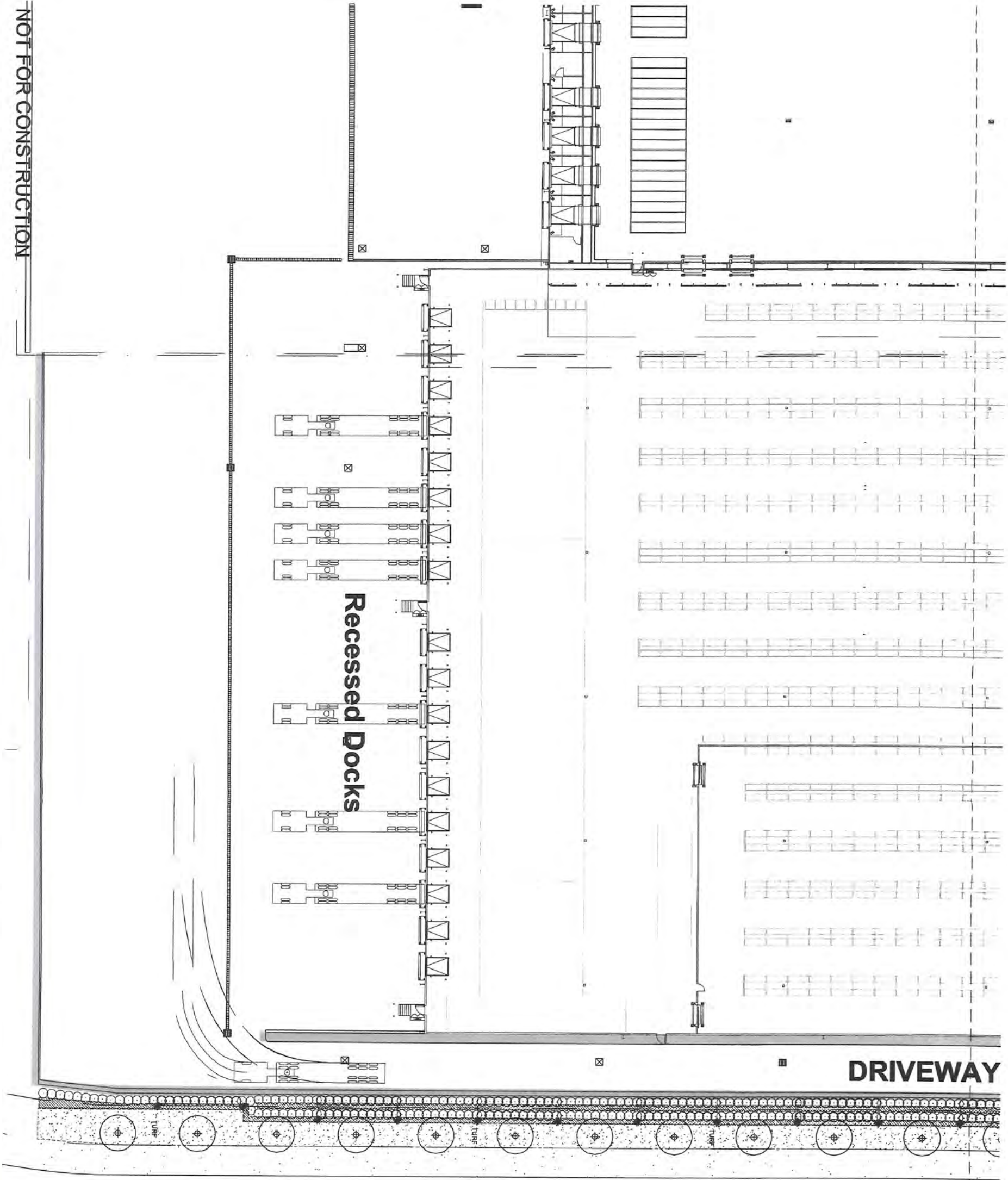
Project:
Coles CDC Expansion
M7 Business Hub
Wallgrove Rd, Michinbury

Drawing Name:
Landscape Plan

PRELIMINARY
Scale: 1:250 @ A1
Job Number:
SS13-2561

0 1 2 4 6 10m
Drawing Number:
101 C

Project Number: **MP 06_0164** approved on **30 April 2013** by the Director, Metropolitan and Regional Projects North under delegation of the Minister for Planning and Infrastructure, in accordance with Section 75W of the Environmental Planning & Assessment Act 1979, subject to conditions of approval.
Signed: 



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100	Architectural condition

LEGEND

 **Proposed Tree**
(Refer to Plant Schedule)

 **Shrubs & Accents**
(Refer to Plant Schedule)

 **Groundcover / Grasses**
(Refer to Plant Schedule)

 **Timber Edge**
(Refer to Details)

 **Turf**
(Refer to Details)

S I T E I M A G E

Landscaping Architects
Level 1, 35 Baulk Street
Surry Hills NSW 2010
Tel: 02 9232 2000
Fax: 02 9232 2001
www.siteimage.com.au

Client: Goodman
Project: Coles CDC Expansion
M7 Business Hub
Wallygrove Rd, Mitchbury

Drawing Name: Landscape Plan
Scale: 1:250 @ A1
Job Number: SS13-2561

Drawn: [Name]
Checked: [Name]
Date: 11/02/2013

North

PRELIMINARY

Scale: 1:250 @ A1
Job Number: SS13-2561

0 1 2 3 4 5 6 7 8 9 10m

102 C